(12) UK Patent Application (19) GB (11) 2 274 437 (13) A

(43) Date of A Publication 27.07.1994

(21) Application No 9324853.2

(22) Date of Filing 03.12.1993

(30) Priority Data
(31) 9303071 (32) 16.02.1993 (33) GB

(71) Applicant(s)
Roy Raymond Rouse
53 Grasmere Road, Garden Farm Est,
CHESTER-LE-STREET, Co Durham, DH2 3ET,
United Kingdom

Barry Stewart Hignett
74 Grasmere Road, Garden Farm Est,
CHESTER-LE-STREET, Co Durham, DH2 3EU,
United Kingdom

Malcolm Evans
4 Portobello Tce, Birtley, CHESTER-LE-STREET,
Co Durham, DH3 2JS, United Kingdom

(51) INT CL[5]
B60R 25/00

(52) UK CL (Edition M)
B7J J101H

(56) Documents Cited
GB 2254061 A GB 2201927 A GB 2152890 A
GB 2110175 A GB 2095191 A

(58) Field of Search
UK CL (Edition M) B7J
INT CL[5] B60R 25/00

(72) Inventor(s)
Roy Raymond Rouse
Barry Stewart Hignett
Malcolm Evans

(74) Agent and/or Address for Service
Roy Raymond Rouse
53 Grasmere Road, Garden Farm Est,
CHESTER-LE-STREET, Co Durham, DH2 3ET,
United Kingdom

(54) Wheel clamp

(57) A wheel clamp comprising a bottom section with a central plate, two pivoted legs with wheel retainers and two swivel restrictors and a top section with a wheel retaining bar, the two sections sliding together and being lockable in position around a wheel. In use the top section enters the wheel arch and rotates around the tyre to an upright position; the bottom section is then laid on the ground and the retainers are slid behind the wheel; the centre of the base is then folded upwards and mates with the bar of the top section; a lock is then fitted to hold the clamp in place.

FIG ③

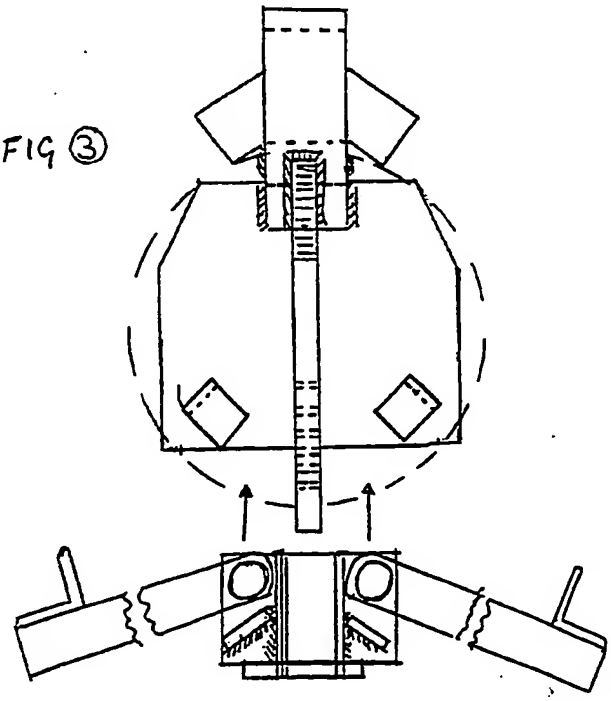

FIG ④

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FIG ②

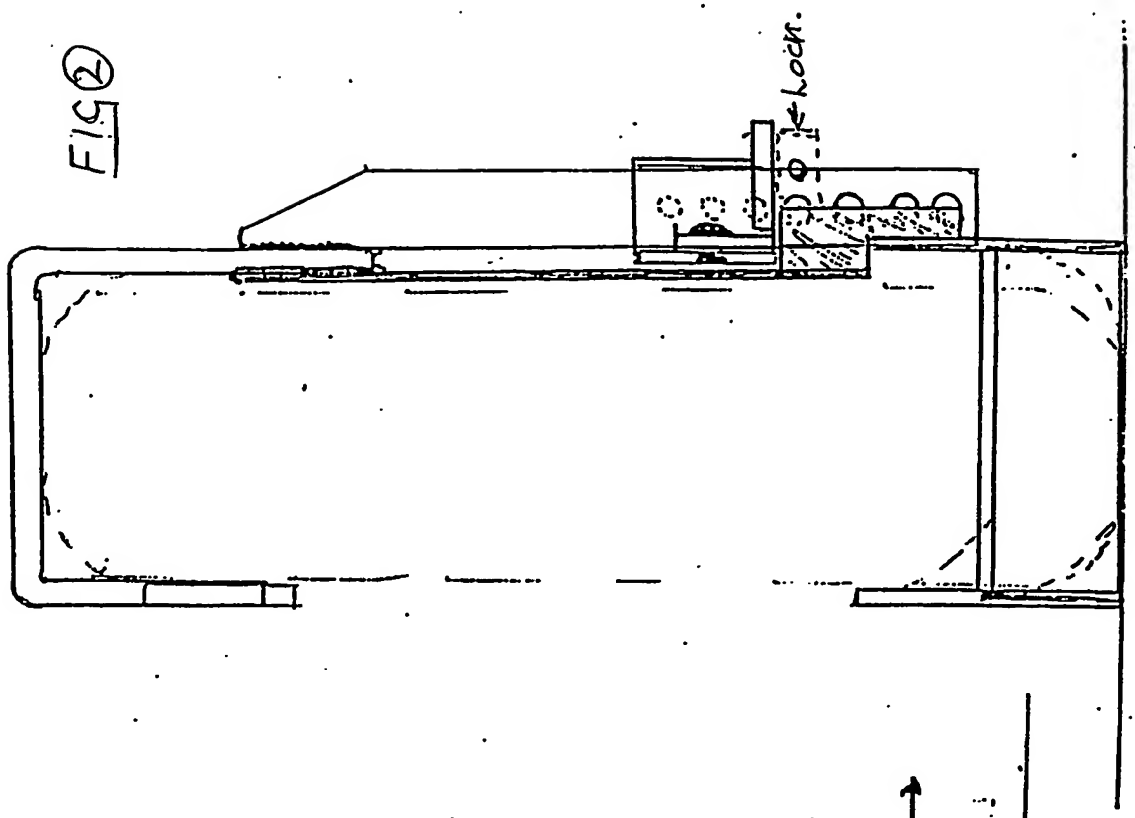

FIG ①

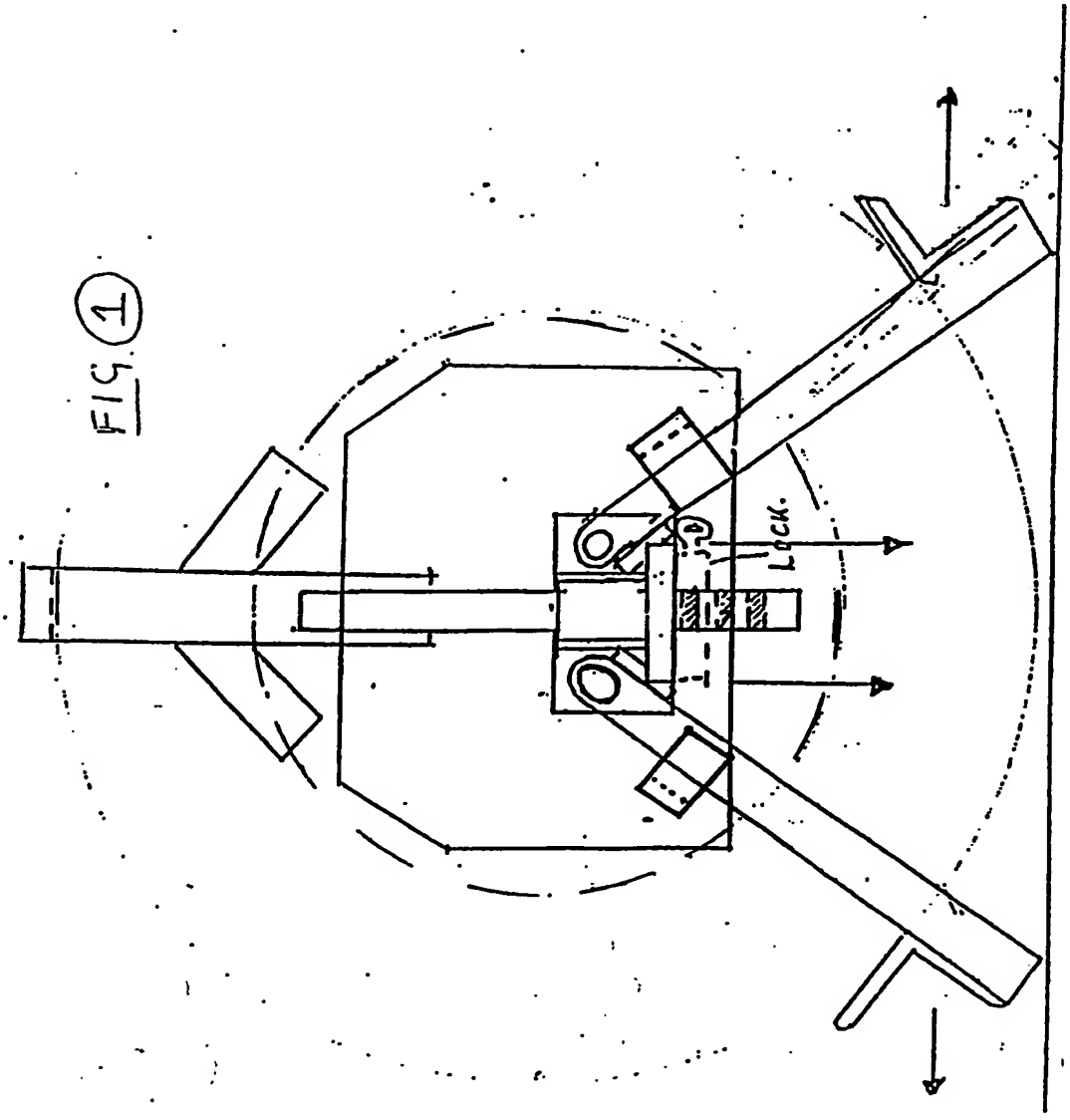

FIG (5)

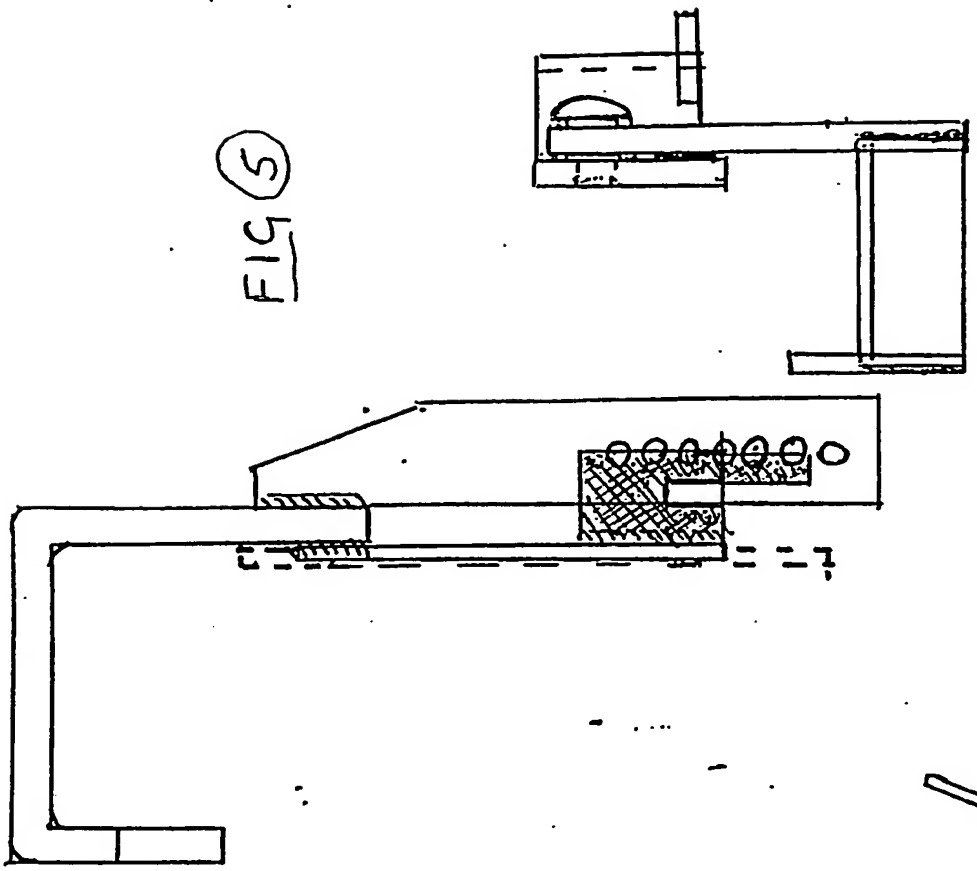

FIG (4)

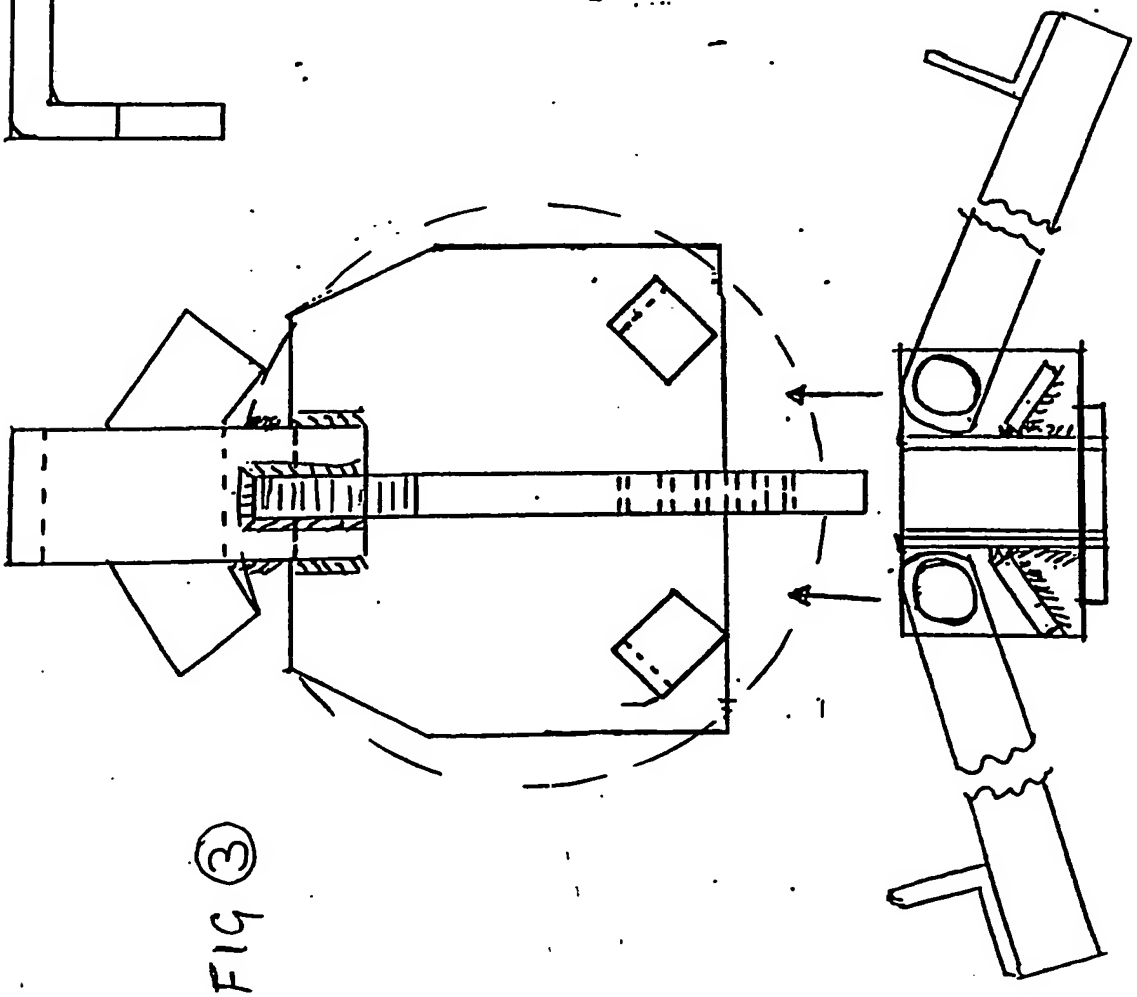

FIG (3)

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(PANEL A)
1

WHEEL CLAMP

This invention relates to Removable Wheel Clamp.

Wheel clamps are a well known device used to asist in the prevention of automobile thefts, they are fitted in various ways. The above mentioned however are often very heavy and difficult to fit and store in the automobile.

The present invention however is designed to afford less storage, easy to fit and greater security. The top section of the clamp enters through the side of the wheel arch and rotates around the tyre to an upright position, the base section is then laid flat on the ground and retainers are slid behind the wheel. The centre of the base is then folded upwards to mate with the top section for fitting of the lock.

A specific example of the invention will now be explained with reference to drawings provided.

Fig 1	Shows the clamp mated up in full position.
Fig 2	Shows the clamp mated up from a side view.
Fig 3	Shows the clamp disconnected from bottom section.
Fig 4	Shows the clamp disconnected from top section.
Fig 5	Shows the clamp disconnected from a side view.

(PANEL B)
2

It will be noted from the drawings that the wheel clamp consists of two sections mated together, then secured by a lock, Fig 4 shows the bottom section with the swivel legs designed in a manner that ~~that~~ the full downward rotation is restricted by two stops. When the top section Fig 3 is fitted to a required position, the leg rotation is also restricted in the upward rotation by the retainers on the bottom corners of the large plate on Fig 3. When Fig 3 is released from Fig 4 the restriction of the legs is eliminated allowing operating to fully folded position.

(PANEL C)
3
CLAIMS

1 The bottom section of the detachable wheel clamp comprises of a centre plate with a swivel device, a male and female sliding adjuster, two swivel restrictors, a lock protection plate, two legs with wheel restrictors attached, the top section has a wheel restrictor bar fixed to a face plate with two restrictors and a male sliding adjuster.

2 A wheel clamp as claimed in Fig 3 with a male sliding adjuster plus retainer stops to main plate with side view Fig 5.

3 A wheel clamp as claimed in Fig 4 with swivel legs retainer stops, female slide, lock protection plate, wheel retainers also shown in Fig 5.

4 A wheel clamp as substantially described in accompanying drawings. 1 - 5.

Patents Act 1977 Examiner's report to the Comptroller under Section 17 (The Search report) -3-	Application number GB 9324853.2
elevant Technical Fields (i) UK Cl (Ed.M) B7J (ii) Int Cl (Ed.5) B60R 25/00	Search Examiner COLIN THOMPSON Date of completion of Search 15 MARCH 1994
Databases (see below) (i) UK Patent Office collections of GB, EP, WO and US patent specifications. (ii)	Documents considered relevant following a search in respect of Claims :- 1-4

Categories of documents

X:	Document indicating lack of novelty or of inventive step.	P:	Document published on or after the declared priority date but before the filing date of the present application.
Y:	Document indicating lack of inventive step if combined with one or more other documents of the same category.	E:	Patent document published on or after, but with priority date earlier than, the filing date of the present application.
A:	Document indicating technological background and/or state of the art.	&:	Member of the same patent family; corresponding document.

Category	Identity of document and relevant passages		Relevant to claim(s)
X	GB 2254061	A (GARFORTH)	1
X	GB 2201927	A (RICHARDS)	1
X	GB 2152890	A (RAINE)	1
X	GB 2110175	A (ARTPACK LTD)	1
X	GB 2095191	A (KNIGHT)	1

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